## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 7 July 2005 (07.07.2005)

## (10) International Publication Number WO 2005/060346 A3

- (51) International Patent Classification<sup>7</sup>: G01B 11/26, 11/14, G01C 1/00, 3/00, 5/00, G05D 1/02, G06F 17/10, G06G 7/78
- (21) International Application Number:

PCT/IL2004/001149

(22) International Filing Date:

20 December 2004 (20.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/530,909

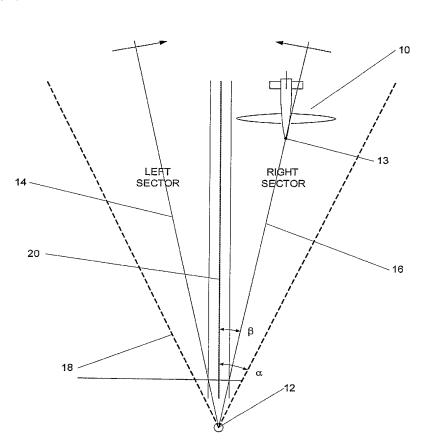
22 December 2003 (22.12.2003) U

- (71) Applicant (for all designated States except US): EYE-POINT LTD. [IL/IL]; 59 Galgal Hamazalot st., 45309 Hod Hasharon (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TZIDON, Aviv [IL/IL]; 5 Baaley Melacha st., 67215 Tel Aviv (IL). TZI-DON, Dekel [IL/IL]; 59 Galgal Hamazalot st., 45309 Hod Hasharon (IL).

- (74) Agent: MILLER SIERADZKI, ADVOCATES & PATENT ATTORNEYS; P.O.B 6145, 31061 Haifa (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: HIGH PRECISION WIDE-ANGLE ELECTRO-OPTICAL POSITIONING SYSTEM AND METHOD



(57) Abstract: A positioning system for determining an angular position of a vehicle (10) with respect to a predetermined position. The system comprises at least one beacon (12) whose position relative to the predetermined position is known, for generating at least one beam of known optical characteristic that allows deriving of the angular position.

## WO 2005/060346 A3



## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 30 March 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.